

Title (en)

Washing machine having detergent supply device

Title (de)

Waschmaschine mit Reinigungsmittelzufuhrvorrichtung

Title (fr)

Machine à laver ayant un dispositif d'alimentation en détergent

Publication

EP 2703545 A3 20151021 (EN)

Application

EP 13181733 A 20130826

Priority

KR 20120093978 A 20120827

Abstract (en)

[origin: EP2703545A2] A washing machine (1) equipped with a detergent supply device (100) has an improved component coupling structure capable of enhancing productivity. A washing machine includes a main body (10), a drum (30) rotatably mounted in the main body (10), and a detergent supply device (100) disposed at an upper portion of the main body (10) to supply a detergent into the drum (30). The detergent supply device (100) includes a housing (110), a detergent case (120) to store a detergent, the detergent case (120) being movably coupled to the housing (110), a water supply frame (130) coupled to an upper portion of the housing (110) to guide water to the detergent case (120), and a cover frame (140) to sealingly cover an upper portion of the water supply frame (130), the cover frame (140) including a plurality of coupling protrusions (144) protruding from an inner peripheral surface thereof to support a bottom surface of the water supply frame (130).

IPC 8 full level

D06F 39/02 (2006.01)

CPC (source: EP KR US)

D06F 39/028 (2013.01 - EP KR US); **D06F 39/081** (2013.01 - KR); **D06F 39/088** (2013.01 - KR); **D06F 39/12** (2013.01 - KR); **D06F 39/024** (2013.01 - EP US)

Citation (search report)

- [XAY] EP 0331920 A2 19890913 - BOSCH SIEMENS HAUSGERAETE [DE]
- [Y] EP 0913513 A2 19990506 - T & P SPA [IT]
- [A] EP 1607509 A1 20051221 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] WO 2010003961 A1 20100114 - ARCELIK AS [TR], et al

Cited by

EP3882392A1; CN108532227A; EP3404137A1; IT201700052193A1; US11255038B2; WO2018041682A1; EP3290568A1; CN109689961A; EP3511465A1; EP3290568B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2703545 A2 20140305; **EP 2703545 A3 20151021**; **EP 2703545 B1 20171011**; KR 101953883 B1 20190522; KR 20140027849 A 20140307; US 2014053614 A1 20140227; US 9777424 B2 20171003

DOCDB simple family (application)

EP 13181733 A 20130826; KR 20120093978 A 20120827; US 201313975632 A 20130826